

Name: _____

Date: _____ HR: _____

Activity-Observing Germination

Question: What changes can you observe when a seed germinates?

Materials:

3 Bean Seeds
Baggie
Paper towel
Masking tape

Procedure:

1. Label the baggie with the names of the students in your group, the kind of seeds, and the date.
2. Crumple a piece of paper towel and place it loosely in the baggie. Put two or three seeds between the paper and the baggie, at about the same depth but in different positions.
3. Add about 50 mL of water to the beaker. Then place the baggie on the location your teacher has instructed you to.
4. Over the next week, keep the paper towel moist but not so wet that the seeds are under water.
5. Observe the development of the seedlings (tiny new plants). Each day, write your observations in the chart below, and draw sketches of the seedlings. Remember to include the height your seedling has grown.
6. On day 3, remove 1 bean seed from your breaker. Peel off the outer coat of the seed (yes, you will be destroying this seed) and carefully break the seed into two halves. Sketch and label the parts of the bean you can identify. After you are finished with the seed, please place back into your beaker.

Observations:

Day (Date)	Observations:	Diagram of your seed growth
1		
2		
3	Regular seed observation	
	Split seed observation	

4		
5		
6		
7		

Finding Out:

1. What emerges from a seed first?
2. Did the position of the seed affect its germination in any way? If so, how?
3. What do you think happens within a seed as it germinates?